TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR	CONTRACT NO./TASK NO. NAS5-	TASK NO.	AMENDMENT	JOB ORDER NUMBER	APPROP. FY
QSS Group, Inc.	99124	374		565-839-05/89	01

TASK TITLE: (NTE 80 characters; include Project name)

NEXUS Harness Design, Analysis, and Planning

APPROVALS: (Type or print name and sign)

	DATE	ORG CODE	MAIL CODE	PHONE
ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR) Roger Stone Roger E. Stone	9/11/00	565	565	301-286-1313
BRANCH HEAD Paul Bryant Paul J. Milam for	9/15/00	CODE 565		PHONE 301-286-7897
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR) DIC Robert S. Lebair, Jr. Robert S. Lebair	9/20/00	CODE 560		PHONE 301-286-6588

FLIGHT HARDWARE, CRITICAL ESE OR SOFTWARE? (IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)	CONTRACTING OFFICER'S QUALITY REP.	DESIGNATED FAM:
[X] NO [ ] YES	Larry Moore	

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)
C.O. Requested Quote on:
Date: SEP 20 2000

Contractor will develop specification or statement of work under this task for a future procurement. [X] NO [ ] YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. [X] NO [ ] YES [ ] N/A

Government Furnished Property/Facilities: [X] NO [ ] YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: [ ] NO [X] YES If yes: [X] TOTAL [ ] PARTIAL
If partial, indicate onsite work in SOW by asterisk (*)

Surveillance Plan Attached: [X] NO [ ] YES

Highlighted Contract Clauses: *(to be completed by Contracting Officer)*

The effective date of this task order shall be the date of the Contracting OFficer's signature below.

INCENTIVE FEE STRUCTURE (check one)

(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

	_X_ No. 1	___ No. 2	___ No. 3	___ No. 4	___ No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%

(To be completed by Contracting Officer)

The target cost of this task order is $ 129,556 .
The target fee of this task order is $ 8,311 .
The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is $ 137,867 .

The maximum fee is $ 12,147 .
The minimum fee is $0.

AUTHORIZED SIGNATURE:

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

Theresa J. Becker — SIGNATURE OF CONTRACTING OFFICER
10/13/00 — DATE
Theresa J. Becker — TYPED NAME OF CONTRACTING OFFICER

CONTRACTOR'S ACCEPTANCE:

AUTHORIZED SIGNATURE — DATE

GSFC FORM 703-1845 12/98 (OLDER VERSIONS ARE OBSOLETE)

DISTRIBUTION: CONTRACTOR, CONTRACTING OFFICER, COTR, CODE 303, RESOURCES ANALYST, ASSISTANT TECHNICAL REPRESENTATIVE

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	NAS5-	TASK NO.	AMENDMENT
QSS Group, Inc.	99124	374	

Applicable paragraphs from contract Statement of Work: Functions 1C, 2B, 2D

STATEMENT OF WORK: (Continue on blank paper if additional space is required)

The Contractor shall provide engineering services toward the preliminary definition, design, and analysis of the interconnect wiring harness for the NGST/NEXUS platform. The effort shall include the following activities:

1. Participate in systems definition working group meetings, electrical systems meetings and Code 565 meetings regarding the progress and issues associated with this design (this could include other NEXUS contractors and agencies).

2. Perform system and subsystem level trades (in conjunction with other electrical disciplines on NEXUS) to determine how the harness should be designed, constructed and tested. Document the trades performed and the results.

3. Using the trades and analyses performed, develop the preliminary harness design, including appropriate schematics, block diagrams, interconnect diagrams, and routing drawings.

4. Address methods of harness implementation, including development use of mockups, ETUs, test methods, or the application of new harness technologies that may be required to meet mission requirements.

5. Support NGST/NEXUS reviews by generating and presenting the NEXUS harness approach and status in NASA design reviews. Answer any action items resulting from those presentations.

PERFORMANCE SPECIFICATIONS:

Perform design/analysis of harness subsystem in accordance with NGST MAR (to be supplied) and GSFC ISO standards.
Reports and Documents: Technical performance will be based on thoroughness and completeness of written reports. Acceptable performance is that the ATR is satisfied that the material reflects the proper level of technical expertise and meets the objectives of the activity.
Technical Progress Report: Acceptable performance is that the ATR is satisfied that he is being kept informed of the status of work performed and of issues requiring his attention.
Management: Performance will be measured against the following metrics: (1) accomplishment of objectives; (2) clear, incremental progress; (3) responsiveness to issues; (4) efficient and appropriate staffing; and (5) coordination with and good working relationship with ATR and other related contractor efforts, if applicable.

APPLICABLE DOCUMENTS:

1. ISO Document GPG 8700.1 - Design Planning and Interface Management
2. ISO Document GPG 8700.2 - Design Development

TASK END DATE: 9/30/01

MILESTONES/DELIVERABLES AND DATES:

1. Complete and deliver assessment of NEXUS harness requirements	12/30/00
2. Complete and deliver conceptual design of NEXUS harness	9/30/01
3. Trip Reports/Technical Working Group Meeting Notes	10 days after trip/meeting
4. "White Papers" addressing design/Implementation Trades	30 days after assignment of Trade
5. Preliminary Design Review Inputs	10 days prior to PDR (currently 6/01)
6. Action Item Responses from PDR	As scheduled in AI
7. Technical Progress Report	Monthly, 15th of the month

PERFORMANCE STANDARDS:

Schedule: On-time delivery of reports, designs, and review material
Technical: Meets requirements as determined by the ATR and NEXUS Project

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):
Roger Stone, building 20, room 1H